



STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

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Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.



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(FILE 'HOME' ENTERED AT 14:30:32 ON 13 SEP 2004)

L1 FILE 'HCAPLUS' ENTERED AT 14:31:01 ON 13 SEP 2004
1 US20040152669/PN

FILE 'REGISTRY' ENTERED AT 14:31:13 ON 13 SEP 2004

L2 FILE 'HCAPLUS' ENTERED AT 14:31:15 ON 13 SEP 2004
TRA L1 1- RN : 12 TERMS

L3 FILE 'REGISTRY' ENTERED AT 14:31:15 ON 13 SEP 2004
12 SEA L2

L4 FILE 'WPIX' ENTERED AT 14:31:21 ON 13 SEP 2004
1 US20040152669/PN

=> b hcap

FILE 'HCAPLUS' ENTERED AT 14:31:47 ON 13 SEP 2004
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FILE COVERS 1907 - 13 Sep 2004 VOL 141 ISS 12
FILE LAST UPDATED: 12 Sep 2004 (20040912/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d all 11

L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:173445 HCAPLUS
DN 138:221708
ED Entered STN: 07 Mar 2003
TI Preparation of antibacterial agents based upon oxyanion binding
IN Cooper, Stephen R.; Yager, Kraig M.
PA Quorex Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K031-69
CC 29-7 (Organometallic and Organometalloidal Compounds)
Section cross-reference(s): 1, 10, 25, 27, 28, 63

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003018029	A1	20030306	WO 2002-US27154	20020822
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FR, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003105062	A1	20030605	US 2002-227327	20020822
US 6737415	B2	20040518		

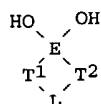
Searched by Noble Jarrell

EP 1418923 A1 20040519 EP 2002-759457 20020822
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 US 2004152669 A1 20040805 US 2003-676770 20031001 <--
 PRAI US 2001-314683P P 20010824
 US 2002-227327 A3 20020822
 WO 2002-US27154 W 20020822

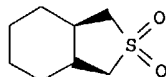
CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2003018029	ICM	A61K031-69
US 2003105062	ECLA	A61K031/38; A61K031/381; A61K031/425; A61K031/66; A61K031/69

OS CASREACT 138:221708; MARPAT 138:221708
 GI



I



II

- AB Oxyanion compds. I [E = B, P, S; T1, T2 = O, NR, CH2; R = H, C1-8-alkyl, C1-8-oxoalkyl; L = ethylen, propylene, C4-6-alicyclic (cyclopentyl, cyclohexyl, pyrrolidine, THF, piperidine, pyran, dioxane, morpholine), aromatic (pyrrole, furan, pyridine, pyrimidine, pyrazine, imidazole, thiazole, oxazole, purine, indazole)] are useful for treating bacterial growth. Thus, sulfone II was prepared from cis-1,2-cyclohexanedimethanol dimesylate via reaction with Na2S in DMSO followed by S-oxidation with monoperphthalic acid in Et2O. The compds. may be used to treat bacterial infections in human beings and to regulate biofilm formation (no data). Pharmaceutical compns. comprising one or more such compds. are useful for treating bacterial infections in human beings (no data).
- ST antibacterial oxoanion prepn; bacterial infection human treatment
 oxoanion; microbial biofilm regulation oxyanion
- IT Infection
 (bacterial, treatment; preparation of antibacterial agents based upon oxoanion binding)
- IT Carbonates, preparation
 Sulfates, preparation
 Sulfites
 Sulfones
 Urethanes
 RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (cyclic; preparation of antibacterial agents based upon oxoanion binding)
- IT Borates
 Phosphates, preparation
 RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (esters; preparation of antibacterial agents based upon oxoanion binding)
- IT Biofilms (microbial)
 (formation regulator; preparation of antibacterial agents based upon oxoanion binding)
- IT Oxyanions
 (oxoanions; preparation of antibacterial agents based upon oxoanion binding)
- IT Antibacterial agents
 Human
 (preparation of antibacterial agents based upon oxoanion binding)
- IT Amides, preparation
 Sulfates, preparation
 RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (sulfamates, cyclic sulfamidates and sulfamidites; preparation of antibacterial agents based upon oxoanion binding)
- IT Cyclic compounds
 RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (sulfones; preparation of antibacterial agents based upon oxoanion binding)
- IT 5329-14-6DP, Sulfamidic acid, cyclic derivs.
 RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic; preparation of antibacterial agents based upon oxoanion binding)
IT 66347-68-0, cis-Cyclohexane-1,2-dimethanol dimethanesulfonate
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation of, with sodium sulfide; preparation of antibacterial agents based upon oxoanion binding)
IT 54053-76-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and S-oxidation of; preparation of antibacterial agents based upon oxoanion binding)
IT 57-13-6DP, Urea, cyclic derivs. 2171-74-6P, o-Phenylene carbonate
6303-21-5DP, Phosphinic acid, cyclic esters and amides 7803-58-9DP, Sulfamide, cyclic derivs. 10043-91-1DP, Phosphorodiamidic acid, cyclic derivs. 66301-61-9P, cis-8-Thiabicyclo[4.3.0]nonane 8,8-dioxide
500729-74-8P 500729-75-9P
RL: AGR (Agricultural use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of antibacterial agents based upon oxoanion binding)
IT 120-80-9, Catechol, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of antibacterial agents based upon oxoanion binding)
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Coddington; Journal of Coordination Chemistry 1989, V20(1), P27 HCAPLUS
(2) Dale, J; US 3053880 A 1962 HCAPLUS
(3) de Gray; US 3325262 A 1967 HCAPLUS
(4) Degray; US 3564091 A 1971 HCAPLUS
(5) Sagulenko; Viniti 1984, P4184 HCAPLUS
(6) Singer, M; US 3873279 A 1975 HCAPLUS

=> b reg
FILE 'REGISTRY' ENTERED AT 14:31:54 ON 13 SEP 2004
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STRUCTURE FILE UPDATES: 10 SEP 2004 HIGHEST RN 742663-39-4
DICTIONARY FILE UPDATES: 10 SEP 2004 HIGHEST RN 742663-39-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

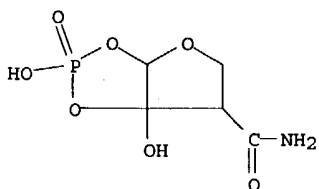
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

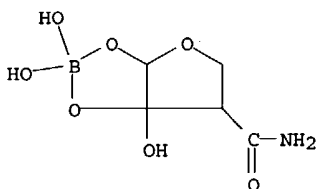
=> d ide 13 tot

L3 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 500729-75-9 REGISTRY
CN Furo[2,3-d]-1,3,2-dioxaphosphole-6-carboxamide, tetrahydro-2,6a-dihydroxy-, 2-oxide (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C5 H8 N O7 P
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

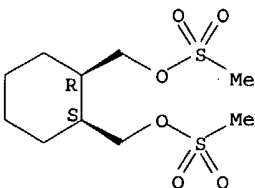
L3 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 500729-74-8 REGISTRY
CN Boron, dihydroxy[tetrahydro-4-hydroxy-4,5-di(hydroxy-.kappa.O)-2-furancarboxamidato(2-)]-, (T-4)- (9CI) (CA INDEX NAME)
MF C5 H9 B N O7
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 66347-68-0 REGISTRY
CN 1,2-Cyclohexanedimethanol, dimethanesulfonate, (1R,2S)-rel- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Cyclohexanedimethanol, dimethanesulfonate, cis-
OTHER NAMES:
CN cis-Cyclohexane-1,2-dimethanol dimethanesulfonate
CN NSC 170782
FS STEREOSEARCH
MF C10 H20 O6 S2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: RACT (Reactant or reagent)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Relative stereochemistry.



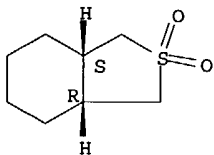
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Searched by Noble Jarrell

L3 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 66301-61-9 REGISTRY
 CN Benzo[c]thiophene, octahydro-, 2,2-dioxide, (3aR,7aS)-rel- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzo[c]thiophene, octahydro-, 2,2-dioxide, cis-
 OTHER NAMES:
 CN cis-8-Thiabicyclo[4.3.0]nonane 8,8-dioxide
 FS STEREOSEARCH
 MF C8 H14 O2 S
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Relative stereochemistry.

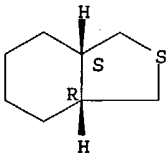


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 54053-76-8 REGISTRY
 CN Benzo[c]thiophene, octahydro-, (3aR,7aS)-rel- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzo[c]thiophene, octahydro-, cis-
 OTHER NAMES:
 CN cis-7-Thiabicyclo[4.3.0]nonane
 CN cis-Octahydrobenzo[c]thiophene
 FS STEREOSEARCH
 MF C8 H14 S
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, SPECINFO, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); NORL (No role in record)

Relative stereochemistry.



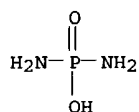
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1907 TO DATE)
 13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 10043-91-1 REGISTRY
 CN Phosphorodiamidic acid (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Diamidophosphoric acid
 CN Phosphoric acid amide
 CN Phosphoric acid diamide
 CN Phosphoric diamide

Searched by Noble Jarrell

FS 3D CONCORD
 MF H5 N2 O2 P
 CI COM
 LC STN Files: ANABSTR, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMLIST, GMELIN*, IFICDB, IFIUDB, MEDLINE, PIRA, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

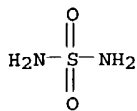


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

103 REFERENCES IN FILE CA (1907 TO DATE)
 14 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 103 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 7803-58-9 REGISTRY
 CN Sulfamide (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Imidosulfamic acid
 CN NSC 252
 CN Sulfamamide
 CN Sulfonyl diamide
 CN Sulfuric diamide
 CN Sulfuryl amide
 CN Sulfuryl diamide
 CN Sulphamide
 FS 3D CONCORD
 MF H4 N2 O2 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, PIRA, PROMT, PS, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP

(Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

677 REFERENCES IN FILE CA (1907 TO DATE)
 72 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 679 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 30 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 6303-21-5 REGISTRY
 CN Phosphinic acid (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Dihydroxyphosphine
 CN Hydroxyphosphine oxide
 CN Hypophosphorous acid
 CN Phosphine oxide, hydroxy-
 CN Phosphonous acid
 FS 3D CONCORD
 DR 60062-19-3
 MF H3 O2 P
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DIPPR*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

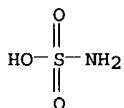
DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



2048 REFERENCES IN FILE CA (1907 TO DATE)
 493 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2052 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 5329-14-6 REGISTRY
 CN Sulfamic acid (8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Alprojet W
 CN Amidosulfonic acid
 CN Amidosulfuric acid
 CN Aminesulfonic acid
 CN Aminosulfonic acid
 CN Aminosulfuric acid

CN Jumbo
 CN NSC 1871
 CN Scale Cleen
 CN Sulfamidic acid
 CN Sulfaminic acid
 CN Sulphamic acid
 FS 3D CONCORD
 MF H3 N O3 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*,
 DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*,
 MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER,
 TULSA, USPAT2, USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
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 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
 (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
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 study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)

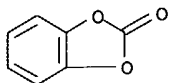


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3633 REFERENCES IN FILE CA (1907 TO DATE)
 212 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3634 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 2171-74-6 REGISTRY
 CN 1,3-Benzodioxol-2-one (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Carbonic acid, cyclic o-phenylene ester (7CI, 8CI)
 CN Carbonic acid, o-phenylene ester (6CI)
 OTHER NAMES:
 CN Catechol cyclic carbonate
 CN o-Phenylene carbonate
 CN Pyrocatechol carbonate
 FS 3D CONCORD
 MF C7 H4 O3
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, HODOC*, IFICDB, IFIPAT, IFIUDB, SPECINFO,
 TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,

nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role
 in record)

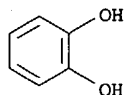


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

86 REFERENCES IN FILE CA (1907 TO DATE)
 86 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 120-80-9 REGISTRY
 CN 1,2-Benzenediol (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pyrocatechol (8CI)
 OTHER NAMES:
 CN 1,2-Dihydroxybenzene
 CN 2-Hydroxyphenol
 CN C.I. 76500
 CN C.I. Oxidation Base 26
 CN Catechol
 CN Catechol (phenol)
 CN Durafur Developer C
 CN Fouramine PCH
 CN Fourrine 68
 CN NSC 1573
 CN o-Benzenediol
 CN o-Dihydroxybenzene
 CN o-Dioxybenzene
 CN o-Hydroquinone
 CN o-Hydroxyphenol
 CN o-Phenylenediol
 CN Oxyphenic acid
 CN Pelagol Grey C
 CN Phthalhydroquinone
 CN Phthalic alcohol
 CN Pyrocatechin
 CN Pyrocatechine
 FS 3D CONCORD
 DR 16474-89-8, 16474-90-1, 37349-32-9
 MF C6 H6 O2
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB,
 DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
 ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
 PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT,
 USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT

(Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

17199 REFERENCES IN FILE CA (1907 TO DATE)
 1178 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 17217 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN

RN 57-13-6 REGISTRY

CN Urea (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aquacare
 CN Aquadrate
 CN B-I-K
 CN Basodexan
 CN Benural 70
 CN Carbamide
 CN Carbamimidic acid
 CN Carbonyl diamide
 CN Elaqua XX
 CN Eucerin 10% Urea Lotion
 CN Hyanit
 CN Isoarea
 CN Keratinamin
 CN Keratinamin Kowa
 CN NSC 34375
 CN Nutraplus
 CN Onychomal
 CN Optigen 1200
 CN Pastaron
 CN Pastaron 10
 CN Pastaron 20
 CN Pastaron 20 soft
 CN Pastaron soft
 CN Pseudourea
 CN Rubinol ST 010
 CN UR
 CN Urea perhydrate
 CN Ureaphil
 CN Ureophil
 CN Urepeal
 CN Urepeal L
 CN Urepearl
 CN Urevert
 CN Varioform II
 FS 3D CONCORD
 DR 30535-50-3
 MF C H4 N2 O
 CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

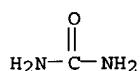
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

73552 REFERENCES IN FILE CA (1907 TO DATE)
 3221 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 73603 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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FILE 'WPIX' ENTERED AT 14:32:03 ON 13 SEP 2004

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FILE LAST UPDATED: 10 SEP 2004 <20040910/UP>
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 HIT STRUCTURES WITHIN THE BIBLIOGRAPHIC DOCUMENT <<<

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L4 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN
 AN 2003-312806 [30] WPIX
 DNC C2003-081985
 TI Use of cyclic boron, sulfur or phosphorus compounds for treating bacterial
 growth and promoting and/or inhibiting the development or maintenance of
 biofilms.
 DC B02 B03
 IN COOPER, S R; YAGER, K M
 PA (COOP-I) COOPER S R; (YAGE-I) YAGER K M; (QUOR-N) QUOREX PHARM INC
 CYC 102
 PI WO 2003018029 A1 20030306 (200330)* EN 29 A61K031-69
 RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU
 MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

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US 2003105062 A1 20030605 (200339) A61K031-69
EP 1418923 A1 20040519 (200433) EN A61K031-69
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MK NL PT RO SE SI SK TR

US 6737415 B2 20040518 (200433) A61K031-69
AU 2002324791 A1 20030310 (200452) A61K031-69
US 2004152669 A1 20040805 (200452) A61K031-69 <--

ADT WO 2003018029 A1 WO 2002-US27154 20020822; US 2003105062 A1 Provisional US
2001-314683P 20010824, US 2002-227327 20020822; EP 1418923 A1 EP
2002-759457 20020822, WO 2002-US27154 20020822; US 6737415 B2 Provisional
US 2001-314683P 20010824, US 2002-227327 20020822; AU 2002324791 A1 AU
2002-324791 20020822; US 2004152669 A1 Provisional US 2001-314683P
20010824, Div ex US 2002-227327 20020822, US 2003-676770 20031001
FDT EP 1418923 A1 Based on WO 2003018029; AU 2002324791 A1 Based on WO
2003018029; US 2004152669 A1 Div ex US 6737415

PRAI US 2001-314683P 20010824; US 2002-227327 20020822;
US 2003-676770 20031001

IC ICM A61K031-69
ICS A61K031-38; A61K031-381; A61K031-425; A61K031-66

AB WO2003018029 A UPAB: 20030513

NOVELTY - Use of cyclic boron, sulfur or phosphorus compounds (I) for
controlling bacterial growth.

DETAILED DESCRIPTION - The use of cyclic compounds of formula (I) for
treating bacterial growth, is new.

E = B, P or S;

T1, T2 = O, NR or CH2;

R = H, 1-8C alkyl or 1-8C oxoalkyl; and

L = ethylene, propylene, 4-6 membered alicyclic or aromatic.

Provided that compounds of formula (I) do not include

autoinducer-2-borate of formula (I').

AN INDEPENDENT CLAIM is included for compositions comprising (I).

ACTIVITY - Antibacterial.

No details of tests are given.

MECHANISM OF ACTION - Autoinducer-2 receptor inhibitors.

USE - For treating bacterial growth, and promoting and/or inhibiting
the development or maintenance of biofilms.

Dwg.0/0

FS CPI

FA AB; GI; DCN

MC CPI: B05-B01A; B05-B01E; B05-B01G; B06-B01; B06-C; B06-F03; B07-B02;
B14-A01; B14-L06

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